CGAP and the eRA Exchange

Connecting the Community

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Topics

- CGAP background and update
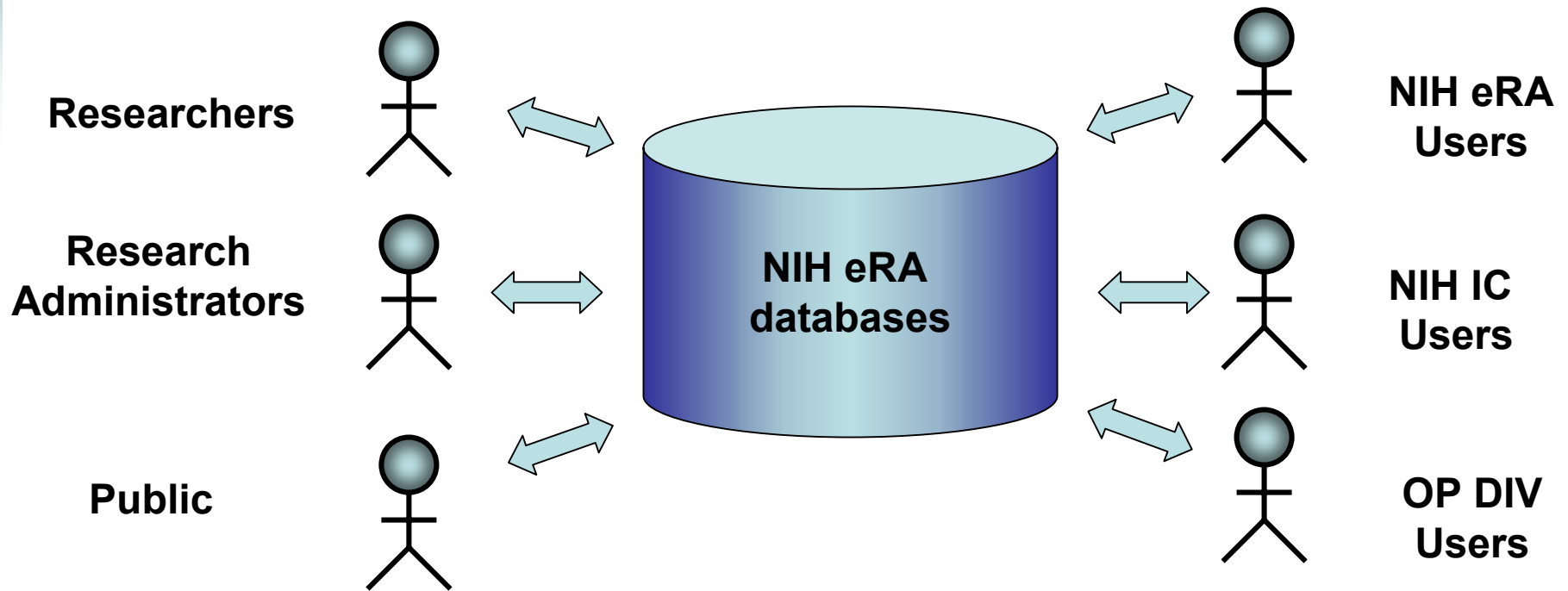- NIH and Grants.gov
- Short term goals and plans

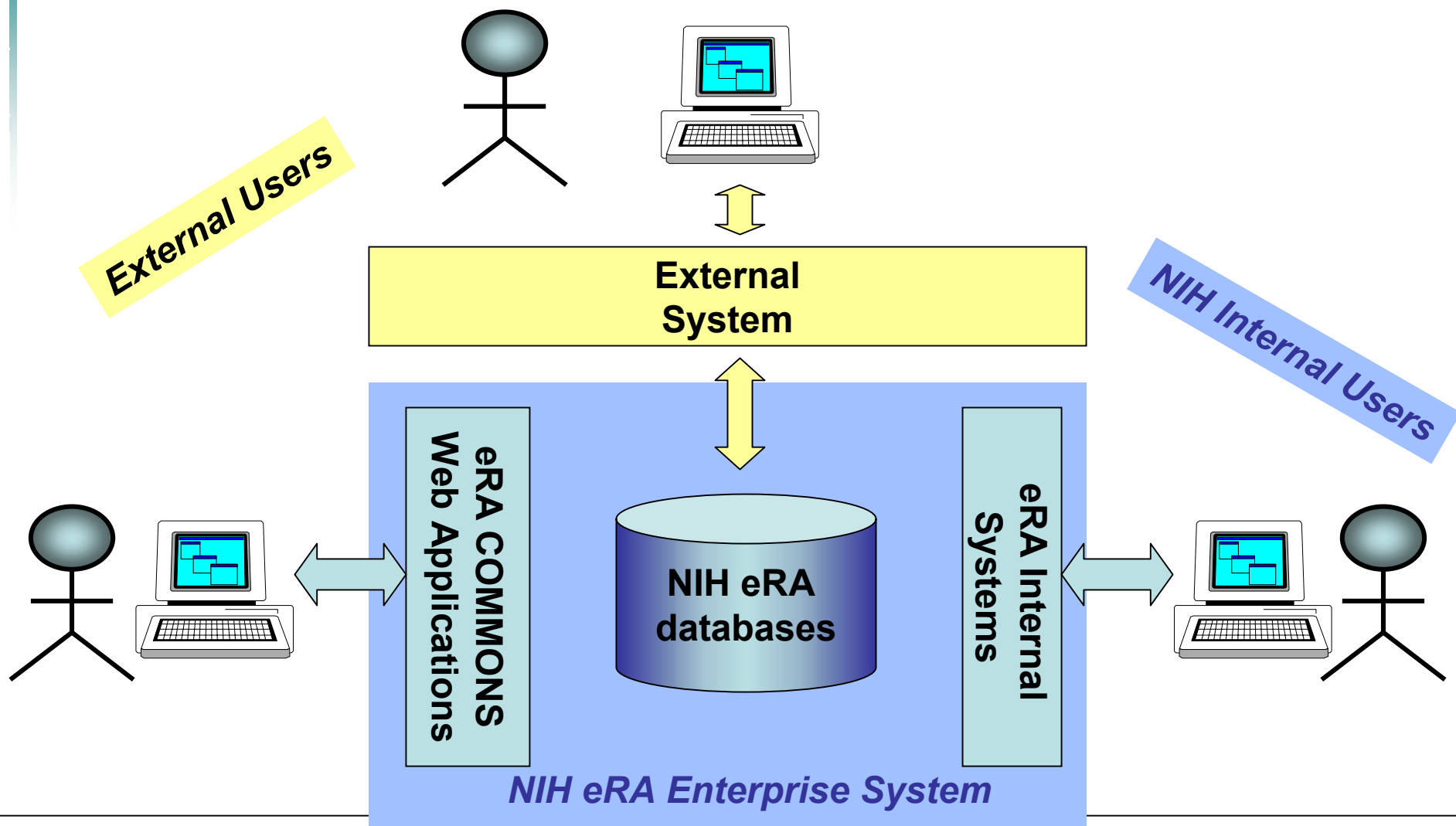# Competitive Grant Application Program
CGAP

- ❑ Receipt of *electronic* grant applications in an XML stream with file attachments from:
  - ■ Service providers
  - ■ Grants.gov
  - ■ Institutions
- ❑ Paperless processing of applications at NIH
- ❑ Outgoing responses to submissions, all downstream transactions for grants, other transactions
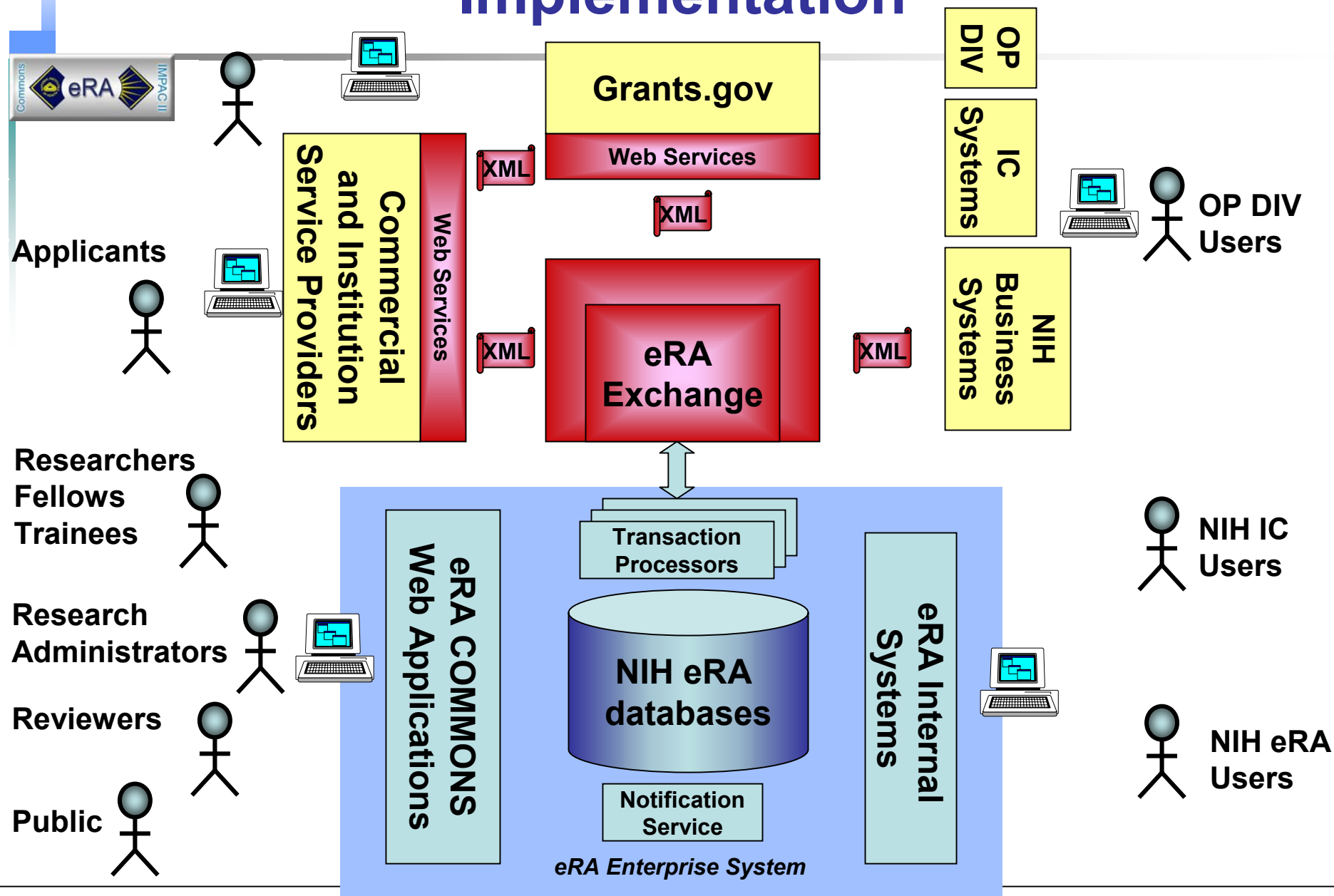- ❑ *System to System interface*

Vision:
Shared information across the Community

eRA Database Access

Implementation

Grants.gov

Web Services

OP DIV Systems

IC Systems

NIH Business Systems

Commercial and Institution Service Providers

Web Services

XML

XML

XML

eRA Exchange

XML

Applicants

OP DIV Users

Researchers Fellows Trainees

Research Administrators

Reviewers

Public

NIH IC Users

NIH eRA Users

eRA COMMONS Web Applications

Transaction Processors

NIH eRA databases

Notification Service

eRA Internal Systems

eRA Enterprise System

SRA International

What was developed
for October 2003

- ❑ A framework to process messages, incoming, outgoing
- ❑ Ability to process these message types:
  - Request for submission (Ticket)
  - 398 Grant application from service providers
  - 398 Grant application from Grants.gov (in progress)
  - Status requests, Status response
  - Error messages, validation messages
  - Reports,utilities
- ❑ A reference implementation for the "other = submitter side"
- ❑ A validation – test installation and site
- ❑ The NIH systems to process the e-apps up to Review
- ❑ Manual configurations for exchange partner set ups, security and transaction definitions
- ❑ *A basic, limited, but functional exchange system*

CGAP Cooperative

- ❑ Six SBIR grants awarded Apr 02
  - ▪ Stimulate development of applications and services that could be purchased by or licensed to NIH grantee organizations
- ❑ Awardees serve as CGAP testbed
  - ▪ Close coordinate with CGAP team
- ❑ http://era.nih.gov/Projectmgmt/SBIR

October 2003 Pilot Scope

- A limited number of applications
- Pre-recruited applicants
- Submitted through
  - Sponsored Service Providers
- Individually monitored by eRA analysts
- Paper applications as backup when needed
- No Risk to the PI

Pilot Application Criteria

❑ Applications requirements
- R01 simple projects, no sub-projects
- Modular budgets
- Either type 1 (Oct 03, Feb 04) or type 2 (Nov 03, Mar 04)
- PI *and Key Personnel* need Commons profile,
- DUNS number

❑ Applicants through grants.gov need
- The NIH opportunity number
- Registration with Grants.gov
- Registration with CCR
- And same as above

Participation Still Sought for Next Cycle

- ❑ David Wright as the contact
  - ■ Grants.gov submissions
  - ■ Service Provider submissions
- ❑ Institutions for direct submissions
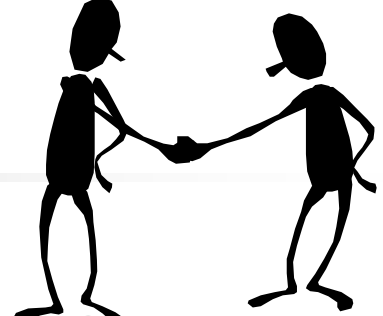 - ■ February submission cycle

Grants.gov Coordination

- ❑ Monthly management meetings with NIH
- ❑ Frequent technical meetings and exchanges
- ❑ NIH will use the integration toolkit from Grants.gov
- ❑ Grants.gov is using same technology as NIH
  - ■ SOAP with attachments
  - ■ Web services integration tool kit
  - ■ PHS 398 form presentation to the end user

Grants.gov

- ❑ One face to the public to
  - ■ FIND   *(in Place)*
  - ■ APPLY   *(October 2003)*
  - ■ REPORT   *(tbd)*
- ❑ Store Front for application submissions
  - ■ Downloadable forms
  - ■ XML + attachments to the Agencies
- ❑ All Grants, all agencies
  - ■ 26 agencies, 400+ programs
- ❑ Grants.gov: 3 components for one NIH application
  - ■ <u>Core+</u> - based on Form 424 with DUNS
  - ■ <u>Research and Related</u> – common to all research grants
  - ■ <u>Agency specific</u> – NIH additional data elements

Grants.gov Partnership

- ❑ NIH publishes RFAs in Grants.gov *FIND* service
- ❑ NIH is ACTIVE participant in Grants.gov *APPLY* service (CORE+)
  - ■ Grants.gov developing PHS 398 package
- ❑ Close coordination of Grants.gov and CGAP
  - ■ Monthly meetings at management level
  - ■ Active technical exchange

NIH Short Term Goals: Build on what we have

❑Test with live applications in Oct-Nov 2003

❑Post-Pilot internal at NIH

- Assess technology, make changes

- Gear up for production Pilot
  - Target February 2004 NIH submission date
  - "Operationalize" the system delivered
  - Major effort in NIH internal system upgrades, fault tolerance, test sites

❑Integrate with Grants.gov

Short Term Goals for External Community

- **Gear up for Production Pilot February 2004**
- **Post Pilot with partners for 2004**
  - Establish the exchange as a permanent feature
  - Add volume – more transactions
  - Add documentation, system, procedural "How to guides"
  - Add content
    - Post submission application corrections transactions
    - Notice of Grant Award as a transaction
    - Personal Profile transactions
    - More types of grants
  - Validation web service to test application content
  - Infrastructure for external partner to test the exchange
  - Provide technical support for external partners

Benefits for the Participants

❑ One system for your users: Yours
   - No retyping into eRA (or even grants.gov)
   - Validation of applications before final submission
   - Immediate confirmations of receipt and validation
   - Status check on your applications
   - All subsequent business transactions directly to your system
   - Multiple outputs for submission for multiple agencies
   - Your choice of authoring tools

Benefits for the Participants

❑ Ability to initiate a query and retrieve your data from eRA as a transaction

- No data discrepancies, no transcription errors
- Presentation of information integrated into your system

❑ System to system notifications and updates

- Automated upload of the award budget and terms (NGA)
- Automated application status updates throughout the life cycle of the grant
- Etc